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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/050,346	01/15/2002	Jun Gao	10012641-1	5995

7590            03/02/2004

HEWLETT-PACKARD COMPANY  
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EXAMINER

GUADALUPE, YARITZA

ART UNIT

PAPER NUMBER

2859

DATE MAILED: 03/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

K.D

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/050,346	GAO ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Yaritza Guadalupe	2859	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 02 February 2004.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-9 and 21-24 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-9 and 21-24 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

**DETAILED ACTION**

In view of Applicants Remarks in the After Final Amendment filed on February 2, 2004,  
PROSECUTION IS HEREBY REOPENED. A new ground of rejection is set forth below.

***Election/Restrictions***

1. Applicant remarks, see page 5, states that claims 10 – 20 have been cancelled, however the listing of claims provided showed the claims as being withdrawn. In order to minimize confusions in the future, the claims and their status should be clarified in response to the present Office Action.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an

international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 1 – 9 and 21 - 24 are rejected under 35 U.S.C. 102 ( e ) as being anticipated by Quadranti et al. ( US 6,594,391 ).

Quadranti et al. discloses a method and apparatus for texture analysis comprising the steps of analyzing an information or image signal by extracting texture related features and producing an output signal representative of said features which will be algorithmically processed to discriminate and classify media by having at least two input parameters, i.e., extracted features, and having an output which has a joint dependency on said input parameter, i.e., identify the type or class of media, said input parameters being associated with image – related measurements acquired from imaging textural features which are characteristics of different classes of media said output being an identification of a media class.

Quadranti et al. further discloses imaging a medium of interest (See Column 3, lines 22 – 25) to acquire image information regarding textural features of said medium of interest, said textural features being related to structure of said medium of interest. Quadranti et al. discloses determining said image – related measurements, i.e., texture features, from said image information.

Quadranti et al. also discloses employing a probabilistic input – output system to associate said medium of interest with a selected media class, including using said image – related measurements, i.e., texture features, determined from said image information as said input parameters ( See Columns 11 and 12, lines 41 – 50 and 31 – 36 respectively ) and ultimately classify said media of interest into classes or type ( See Column 3, lines 40 – 45 ).

The method steps as stated in claims 2 – 9 can be met by the regular operation of the apparatus disclosed by Quadranti et al. since it is clearly stated that one skilled in the art of algorithms for calculating measurements from sensor data will readily appreciate that a variety of computational methods that are already available, i.e., cluster weighted modeling, so as to ultimately classify said media of interest into classes or type.

***Response to Arguments***

4. Applicant's arguments, see pages 5 - 8, filed February 2, 2004, with respect to the rejection(s) of claim(s) 1 – 9 and 21 - 24 under 102 ( e ) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Quadranti et al. ( US 6,594,391 ).

***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. Vachtesvanos et al. ( US 6,650,779 )
- b. Liu et al. ( US Pub. No. 2003/0086593 )
- c. Naf et al. ( US Pub. No. 2002/0150291 )
- d. Leuenberger ( US 6,100,989 )

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yaritza Guadalupe whose telephone number is (571)272 -2244. The examiner can normally be reached on 9:00 AM - 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego F.F. Gutierrez can be reached on (571) 272-2245. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Yaritza Guadalupe  
Patent Examiner  
Art Unit 2859  
February 18, 2004

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